

A/box/sep  
JC985 U.S. PTO  
09/963698  
09/26/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL FORM  
(*only for new nonprovisional applications under 37 CFR 1.53(b)*)

10/31/01  
09/26/01  
U.S. PTO

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231  
BOX: PATENT APPLICATION

SIR:

Transmitted herewith for filing is the patent application (including Specification, Claims, and Abstract, 90 pages) of:

Inventor(s): **Francis Barany, George Barany, Robert P. Hammer, Maria Kempe, Herman Blok, Monib Zirvi**

For : **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS**

*\*\*If a CONTINUING APPLICATION, please mark where appropriate and supply the requisite information below and in a preliminary amendment:*

Continuation  Divisional  Continuation-In-Part (CIP)  
of prior application Serial No. 08/794,851

Prior application information: Examiner : **P. Ponnaluri**  
Art Unit : **1627**

Enclosed are:

- 34 sheets of formal drawings with submission document.
- Signed Combined Declaration and Power of Attorney ( \_\_\_\_\_ pages).
- Copy of signed Combined Declaration and Power of Attorney (8 pages) from a prior application (1.63(d)) (for continuation/divisional).
- Signed statement deleting inventor(s) named in prior application ( \_\_\_\_\_ pages) (1.63(d)(2) and 1.33(b)).
- Incorporation By Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied herewith, is considered as being part of the disclosure of the enclosed application and is hereby incorporated by reference therein.
- Assignment ( \_\_\_\_\_ pages) of the invention to \_\_\_\_\_.
- Assignment Transmittal Letter.
- Certified copy of a foreign priority document.
- Associate power of attorney.
- Applicant claims small entity status. (See 37 CFR 1.27.)

- [X] Preliminary Amendment (5 pages) with Appendix A (4 pages).
- [X] Information Disclosure Statement, form PTO-1449 (8 pages) and 84 references (references not attached).
- [ ] **UNSIGNED** Combined Declaration and Power of Attorney (\_\_\_\_ pages).
- [X] Paper copy of Sequence Listing (5 pages).
- [X] Statement in Accordance with 37 CFR § 1.821(f) and computer readable 3.5" Diskette.
- [X] A self-addressed, prepaid postcard acknowledging receipt.
- [ ] Other:

The Filing fee has been calculated as shown below:

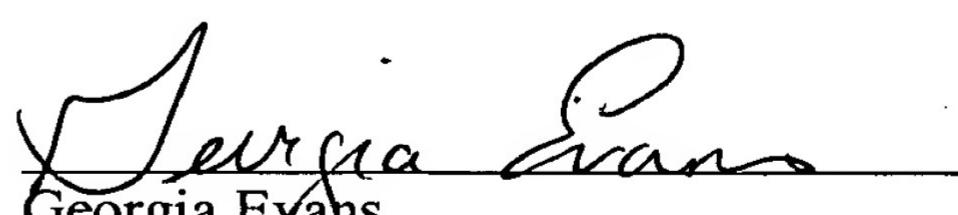
(Col. 1)		SMALL ENTITY		LARGE ENTITY			
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE	
BASIC FEE	XXXXXXX	XXXXXXX	XXXX	\$355	XXXX	\$710	
TOTAL CLAIMS	31 - 20 =	11	x 9 =	\$	x 18 =	\$198	
INDEP CLAIMS	1 - 3 =	0	x 40 =	\$	X80 =	\$	
[ ] MULTIPLE DEPENDENT CLAIM PRESENTED			x135 =	\$	x270 =	\$	
			TOTAL	\$	OR	TOTAL	\$908

\*If the Total Claims are less than 20 and Indep. Claims are less than 3, enter "0" in Col. 2

- [X] A check in the amount of **\$908.00** to cover the filing fee is enclosed.
- [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1138. **A duplicate copy of this sheet is enclosed.**
- [X] Address all future communications to:

Michael L. Goldman  
NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603

Date: September 26, 2001

  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
Facsimile: (716) 263-1600

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS**

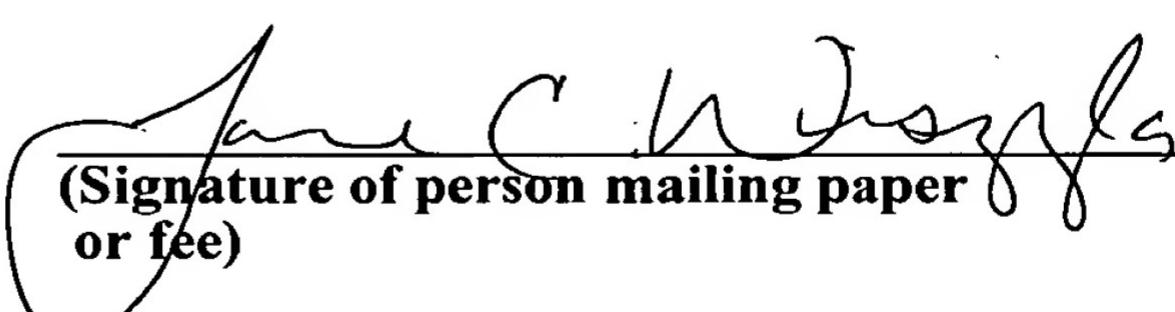
Certificate is attached to the **Utility Patent Application Transmittal Letter**  
**(2 pages)** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

**Jane C. Wirszyla**  
**(Typed or printed name of person  
mailing paper or fee)**

  
**(Signature of person mailing paper  
or fee)**

PATENT  
Docket No.: 19603/3355 (CRF D-1595E)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) :	Barany et al.	)	Examiner:
		)	To Be Assigned
Serial No. :	To Be Assigned	)	
		)	Art Unit:
Cnfrm. No. :	To Be Assigned	)	To Be Assigned
		)	
Filed :	Herewith	)	
		)	
For :	DETECTION OF NUCLEIC ACID SEQUENCE	)	
	DIFFERENCES USING THE LIGASE	)	
	DETECTION REACTION WITH	)	
	ADDRESSABLE ARRAYS	)	
		)	

**SUBMISSION OF FORMAL DRAWINGS**

Commissioner for Patents  
Washington, D.C. 20231  
**Box: Patent Application**

Dear Sir:

Enclosed for filing in the subject application are 34 sheets of formal drawings.

Respectfully submitted,

Date: September 26, 2001

  
Georgia Evans  
Registration No. 44,597

NIXON PEABODY LLP  
Clinton Square, P.O. Box 31051  
Rochester, New York 14603  
Telephone: (716) 263-1672  
Facsimile: (716) 263-1600

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS**

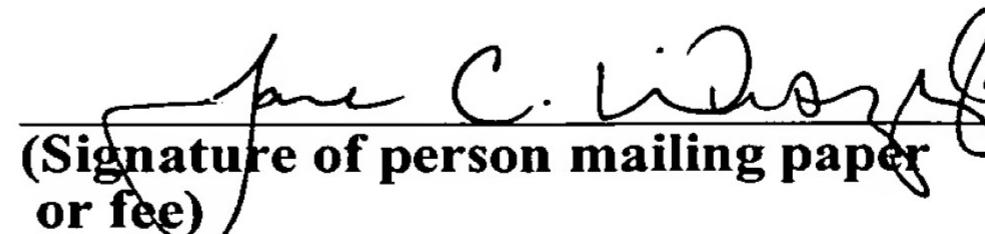
Certificate is attached to the **Submission of Formal Drawings with 34 sheets of drawings** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

**Jane C. Wirszyla**  
**(Typed or printed name of person  
mailing paper or fee)**

  
**(Signature of person mailing paper  
or fee)**

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS**

Certificate is attached to the **Patent Application including specification, claims,  
and abstract (90 pages)**, as filed in the prior application of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

**Jane C. Wirszyla**  
**(Typed or printed name of person  
mailing paper or fee)**

**(Signature of person mailing paper  
or fee)**

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS**

Certificate is attached to the copy of the **SIGNED Combined Declaration and  
Power of Attorney Form (8 pages)** as filed in the prior application of the above-named  
application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal  
Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date  
indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231,  
Box: Patent Application.

**Jane C. Wirszyla**  
**(Typed or printed name of person  
mailing paper or fee)**

*Jane C. Wirszyla*  
**(Signature of person mailing paper  
or fee)**

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19603/3355 (CRF D-1595E)**

APPLICANTS: **Francis Barany, George Barany, Robert P. Hammer,  
Maria Kempe, Herman Blok, and Monib Zirvi**

TITLE: **DETECTION OF NUCLEIC ACID SEQUENCE  
DIFFERENCES USING THE LIGASE DETECTION  
REACTION WITH ADDRESSABLE ARRAYS**

Certificate is attached to the **Preliminary Amendment (5 pages) with Appendix A (4 pages)** of the above-named application.

EXPRESS MAIL NUMBER: **EL710758046US**

DATE OF DEPOSIT: **September 26, 2001**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231, Box: Patent Application.

**Jane C. Wirszyla**  
**(Typed or printed name of person  
mailing paper or fee)**

  
**(Signature of person mailing paper  
or fee)**